

Part 573 Safety Recall Report

22E-008

Manufacturer Name : Intermotive**Submission Date :** FEB 23, 2022**NHTSA Recall No. :** 22E-008**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Intermotive

Address : 12840 Earhart Ave

Auburn CA 95602

Company phone : 8231048

Population :

Number of potentially involved : 453

Estimated percentage with defect : 1 %

Equipment Information :

Brand / Trade 1 : Intermotive

Model : PRPC

Part No. : S-M1521-xx

Size : NR

Function : Power Managemen

Descriptive Information : The time frame of the four failures reported by Forest River were modules that were installed from 6/14/2021 - 8/30/2021. After analysis by Intermotive Engineering, it was determined that if two specific conditions occur (mask mis-registration and contamination are present) dendritic growth could occur and short the power and ground plains. Both Forest River and Intermotive removed all assemblies with the suspect date code (0919) by 12/31/2021. The four defects were found prior to any busses being put in service and are considered infant mortality. Forest River Identified 1762 buses built in the time frame from 06/01/2021-01/18/2022 . While zero defects have occurred from PRPC's shipped to other customers, it was decided that we recall the PRPC's shipped in this time frame and provide the solution to prevent the defect from occurring. Intermotive has identified 453 units shipped within this time frame and could potentially have the suspect PCB date code

Production Dates : JUN 01, 2021 - JAN 18, 2022**Description of Defect :**

Description of the Defect : Intermotive has determined that a small percentage of date code 0919 pcbs used for the PRPC had mask mis-registration causing exposed copper. Lab analysis showed the evidence of dendritic growth which caused the short between the power and ground planes. The failure happened after installation and prior to the busses being put into service. All four were infant mortality.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The power to ground short causes excessive heating and the potential for combustion. All components are appropriately spec'd to UL 94v0 flammability rating so the chance for combustion prior to the short opening up is extremely small.

Description of the Cause : Dendritic growth occurred between the power and ground planes causing thermal destruction of the module.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name : PRPC

Component Description : Programable Relay Power Center

Component Part Number : S-M1521-xx

Supplier Identification :

Component Manufacturer

Name : Intermotive

Address : 12840 Earhart Ave
Auburn California 956002

Country : United States

Chronology :

Forest River notified Intermotive of the first failures on 10/27/2021, 11/23/2021, 11/30/221 and 127/2021.

Description of Remedy :

Description of Remedy Program : Intermotive will provide all parts and labor free of charge to customers who identify assemblies with date code 0919. Customers can contact Intermotive Warranty at 530-823-1048 xt 103. Warranty will immediately send out a replacement harness for the repair and offer the necessary technical support during installation

How Remedy Component Differs from Recalled Component : The remedy is adding a fused data link harness that will prevent the thermal event from occurring.

Identify How/When Recall Condition was Corrected in Production : All remaining assemblies with date code 0919 have been removed from the supply chain. Additional high magnification inspection requirements are now in place for pcb's to identify any exposed copper from the PCB vendors

Recall Schedule :

Description of Recall Schedule : Intermotive has the utmost urgency to resolve this recall quickly and efficiently. Intermotive will send a suspected serial number list to our customers once a formal NHTSA id is provided.

Planned Dealer Notification Date : MAR 07, 2022 - MAR 07, 2022

Planned Owner Notification Date : MAR 07, 2022 - MAR 07, 2022

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : A&J Mobility

Address : 1330 Midvalley
Valders WI 54245

Country : US

Company Phone : NR

Name : American Transportation

Address : 3133 E South St Long Beach
Long Beach CA 90805

Country : US

Company Phone : NR

Name : Advanced Automotive

Address : 7528 Burnet Rd
Austin TX 78757

Country : US

Company Phone : NR

Name : Atlantic Bus Sales

Address : 1200 S. Dixie HWY
Pompano Beach CA 22060

Country : US

Company Phone : NR

Name : A-Z Bus - Colton
Address : 1900 South Riverside Ave
Colton CA 92324
Country : US
Company Phone : NR

Name : A-Z Bus - Sacramento
Address : 3418 52nd Ave
Sacramento CA 95823
Country : US
Company Phone : NR

Name : Badger Bus
Address : 5501 Femrite Drive
Madison WI 53718
Country : US
Company Phone : NR

Name : Butler Automotive Service Center
Address : 14720 Southlawn Ln
Rockville MD 20850
Country : US
Company Phone : NR

Name : Chris Mobility
Address : 18386 Ostego Dr
Fort Myers FL 33967
Country : US
Company Phone : NR

Name : City of Sioux City
Address : 1821 18th street
Sioux City IA 51105
Country : US
Company Phone : NR

Name : Coach and Equipment Mfg.
Address : 130 Horizon Park
Pen Yan NY 14527
Country : US
Company Phone : NR

Name : Creative Mobility Wayne, MI
Address : 33073 Michigan Ave
Wayne MI 48184
Country : US
Company Phone : NR

Name : Driverge Vehicle Innovations
Address : 1090 West Wilbeth Road
Akron OH 44314
Country : US
Company Phone : NR

Name : G&M Service Center, Inc
Address : 7901-5 Hill Park Court
Lorton VA
Country : US
Company Phone : NR

Name : Lafayette Limo
Address : 2525 Komdike Road
West Lafayette IN 47906
Country : US
Company Phone : NR

Name : Baehrs Automotive
Address : 1224 Montlimar dr.
Mobile AL 36609
Country : US
Company Phone : 251-34-9157

Name : Brickell Complete Auto
Address : 795 SW 6th St
Miami FL 33130
Country : US
Company Phone : NR

Name : Bus Service
Address : 3153 Lamb Ave
Columbus OH 43219
Country : US
Company Phone : NR

Name : Buses at Loganville
Address : 5314 Holley Brooke Lane
Loganville GA 30052
Country : US
Company Phone : NR

Name : Camco Wheel & Axle
Address : 1105 W, Furguson St
Pharr TX 78577
Country : US
Company Phone : 956-781-4800

Name : Carpenter Bus Sales, Inc.
Address : 132 Royal Oaks
Franklin TN 37067
Country : US
Company Phone : NR

Name : Challenger Transportation
Address : 8210 Beechcraft Ave
Gaithersburg MD 20879
Country : US
Company Phone : 301 990-6000

Name : Checkered Flag Auto Bus Inc
Address : 236 Seaman Ct
Westbury NY 11590
Country : US
Company Phone : NR

Name : City of Lompoc
Address : 1300 West Laurel Ave
Lompoc CA 93436
Country : US
Company Phone : NR

Name : Colonial Bus
Address : 5171 Intercoastal Court
Monrovia MD 21770
Country : US
Company Phone : NR

Name : Continental RV
Address : 39 Allen Blvd Ste C
Farmingdale NY 11735
Country : US
Company Phone : NR

Name : Creative Bus Sales
Address : 14740 Ramona Ave
Chino CA 91710
Country : US
Company Phone : NR

Name : Creative Bus Sales (Carlstadt)
Address : 51 Kero Rd
Carlstadt NJ 07072
Country : US
Company Phone : (800) 272-6521

Name : Creative Bus Sales (Jacksonvil
Address : 8600 Atlantic Blvd
Jacksonville FL 32211
Country : US
Company Phone : 909-993-5040

Name : Delacy Ford
Address : 3061 Transit Rd
Elma NY 14059
Country : US
Company Phone : NR

Name : Driverge Vehicle Innovations
Address : 1090 West Wilbeth Road
Akron OH 44314
Country : US
Company Phone : NR

Name : Driverge Vehicle Innovations
Address : 1090 West Wilbeth Road
Akron OH 44314
Country : US
Company Phone : NR

Name : Empire Transportation, INC.

Address : 340 Mountain Ave
Perris CA 92570

Country : US

Company Phone : NR

Name : Fast Serv Medical

Address : 1329 Driftwood Dr
Bossier LA 71111

Country : US

Company Phone : NR

Name : Hogle Bus

Address : 116 E Oakwood Drive
Monticello MN 55362

Country : US

Company Phone : NR

Name : Leader Emergency Vehicles

Address : 10941 Weaver Ave South
El Monte CA 91733

Country : US

Company Phone : NR

Name : Masters Transportation

Address : 800 Quik Trip Way
Belton MO 64012

Country : US

Company Phone : NR

Name : Mid Atlantic Mobility

Address : 19708 Old York Rd
White Hall MD 21161

Country : US

Company Phone : NR

Name : Mid-South Bus Center

Address : 3512 Bill Smith Dr
Murfreesboror TN 37129

Country : US

Company Phone : NR

Name : Mike Fraser Auto Repair
Address : 1204 7th st
Cordele GA 31015
Country : US
Company Phone : (229) 273-0652

Name : Mobility Works
Address : 810 Moe Dr
Akron OH 44310
Country : US
Company Phone : NR

Name : NAPA Store #245
Address : 11857 Metro Parkway
Fort Myers FL 33966
Country : US
Company Phone : NR

Name : New England Wheels
Address : 33 Manning Rd
Brillrica MA 01821
Country : US
Company Phone : NR

Name : Northwest Bus Sales
Address : 33207 Pacific Hwy South
Federal Way WA 98003
Country : US
Company Phone : NR

Name : On Site Fleet Service
Address : 36 Edgeboro Rd
East Brunswick NJ 08816
Country : US
Company Phone : NR

Name : Optimal EV
Address : 29449 Old US Hwy 33 , IN 46516
Elkhart IN 46516
Country : US
Company Phone : NR

Name : Quality Van Sales, Inc.
Address : 49 Old Colony Road
Norton MA 02766
Country : US
Company Phone : NR

Name : Rohrer Bus Sales
Address : PO BOX 100
Routes 11&15 Duncannon PA 17020
Country : US
Company Phone : NR

Name : Ruben Fleet
Address : 4730 Leopard St
Corpus Christi TX 78408
Country : US
Company Phone : NR

Name : Sunset Empire Transportation District
Address : 465 NE Skipanon Dr
Warrenton OR 97146
Country : US
Company Phone : NR

Name : TESCO
Address : PO Box 167230
Oregon OH 43616
Country : US
Company Phone : NR

Name : The Bus Center Acworth
Address : 110 HOLT INDUSTRIAL CIRCLE
ACWORTH GA 30101
Country : US
Company Phone : NR

Name : Three Guys Garage
Address : 4904 Augusta Rd
Garden City GA
Country : US
Company Phone : 9129649222

Name : Walker Auto and Truck TAX
Address : 600 NC Hwy 86 North
Hillsborough NC 27278
Country : US
Company Phone : NR

Name : Lewis Bus Group
Address : 1009 Recreation Way North
Salt Lake City UT 84054
Country : US
Company Phone : NR

Name : Mobility Medical
Address : 748 N, Harbor City Blvd
Melbourne FL 32935
Country : US
Company Phone : NR

Name : Maricopa Ambulance
Address : 10243 N. 19th Ave
Phoenix AZ 85021
Country : US
Company Phone : NR

Name : Medford Truck And Auto
Address : 11 Hall St
Medford MA 02155
Country : US
Company Phone : NR

Name : Mobility Systems
Address : 2857 Oak Grove Rd
Hattiesburg MS 39402
Country : US
Company Phone : NR

Name : Overland Custom Coach (2007) Inc.
Address : 21051 Nissouri Road Thorndale
Ontario 00 n0m2p0
Country : CA
Company Phone : NR

Name : Penske Truck Leasing Vernon
Address : 2727 S. Santa Fe Ave
Vernon CA 90058

Country : US
Company Phone : NR

Name : Regency Taxi
Address : 8201 Shouffer School Road
Gathersburg MD 20879

Country : US
Company Phone : NR

Name : Siddons-Martin Emergency Group
Address : 3500 Shelby Ln
Denton TX 76207

Country : US
Company Phone : NR

Name : Sioux City Transit
Address : 509 Nebraska st
Sioux City IA 51101

Country : US
Company Phone : 7122796405

Name : Sonny Merryman, Inc.
Address : PO Box 495
Rustburg 24588

Country : US
Company Phone : NR

Name : Southern Bus & Mobility
Address : PO Box 37 Breese
Breese IL 62230

Country : US
Company Phone : NR

Name : The Bus Center of Atlanta LLC
Address : 1400 McCain Parkway
Pelham PA 35124

Country : US
Company Phone : NR

Name : Verizon Fleet

Address : PO Box 152134
Irving TX 75015

Country : US

Company Phone : NR

Name : Wolfington Body Company, Inc,

Address : PO Box 218
Exton PA 19341

Country : US

Company Phone : NR

* NR - Not Reported